

Meeting #11 Agenda, 11/3/20

- Discuss Client Concept Design Review for Friday, 11/3/2020
 - Roles in PowerPoint creation
 - Slides- three days ahead for Dr. Perry? – Before 3:30p on Thursday
 - Objective, Value Proposition, Background/Requirements, Conceptual development, Recommendations, Identification, Summary/Validation, Budget/Schedule
 - Demonstration of physical prototype modeling
 - Data if possible
 - 20 Minutes, Dress professionally
- Attend two other design reviews by next Friday
- Wikipage draft due Thursday
- Logbook and Portfolio Check next Thursday
- Continue Prototyping
 - Lucas + Ryan -> Shaving mechanism key 3D printed part
 - Jett + Maclean -> Linear actuation solutions
 - Product assembly and creation

Team Meeting #11 Minutes

- Client Design Review
 - Slides- three days ahead for Dr. Perry? – Before 3:30p on Thursday
 - Objective, Value Proposition, Background/Requirements, Conceptual development, Recommendations, Identification, Summary/Validation, Budget/Schedule
 - Jett-Yellow, Lucas- Green, Maclean- Red, Ryan- Cyan
 - Demonstration of physical prototype modeling- Full scale motor control
 - Data if possible
- Attend two other design reviews by next Friday
 - Access schedule on MindWorks site, Jett will email Swenson with date and time
- Wikipage draft due Thursday
 - Lucas will make sure everything is posted, as well as keep it clean and tailored to our current progress
 - Lucas needs team member photos, will get from Snapshot presentation
- Logbook and Portfolio Check next Thursday

Lucas will look up the datasheet for the motor that we have purchased in order to accurately model a part that can mount to the front face of the motor.

- Screws for motor front plate are 4-M2; we will incorporate them into our key face mechanism
- We will focus on developing the prototype before Thanksgiving break, a solenoid with a key will be used as described by Jett to provide linear actuation, and will slide over the shaft
 - Jett will build a test bed for components to be mounted to and tested on
 - We will purchase two small solenoids for the test bed; each will push 50 grams and will operate the key
 - Lucas will pass the Arduino motor code on to Jett, and Jett will work on incorporating a toggle switch
 - Maclean will work on writing a script to control the solenoids

- We should also purchase a resistor set, two solenoid motors, two diodes and a transistor for Maclean's toggle switch incorporation